

108.2 Metal Constituents in Fossil Fuels (liquid and solid forms)

These SRMs and RM are for analysis of metal trace elements in fuel oil and reference fuels. [Also see Category 114.]

Technical Contact: william.kelly@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

				Elemental Composition (mass fraction, in %)						
	SRM	Description	Unit Size	As	Co	Pb	Ni	S	Se	V
RM	1634c	Trace Elements in Fuel Oil	100 mL	0.1426	0.1510		17.54	(2)	0.102	28.19
	2713	Lead in Reference Fuel	6 x 20 mL			19.4*				
	2714	Lead in Reference Fuel	6 x 20 mL			28.1*				
	8505	Vanadium in Crude Oil	250 mL							(390*)

Values in parentheses are not certified and are given for information only.

*Values are in mg/kg.

**This SRM is a "No. 6" fuel oil in terms of viscosity but has a flash point of 43 °C.